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[12] 实用新型专利说明书

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[73]专利权人 张朝元

地址 441300湖北省随州市供销社幼儿园大楼

[72]设计人 张朝元

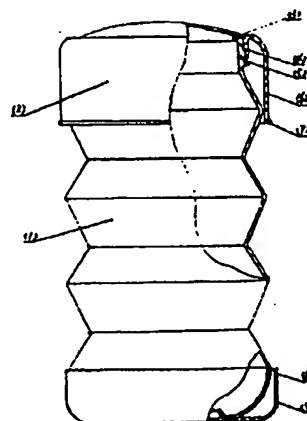
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[54]实用新型名称 波纹式盒状折叠杯

[57]摘要

本实用新型公开了一种波纹式盒状折叠杯，由波纹式杯体（1）、有内、外圈（4）（6）的杯盖（2）、杯盒（9）等组成，其体积可大可小，能屈能伸，使用时可盛水携带而不漏水，不用时可压缩折叠扣成盒状，具有使用方便、携带方便、卫生等特点。



权 利 要 求 书

1、一种波纹式盒状折叠杯，由杯体、杯盖、杯盒组成，其特征是：杯体(1)为坡度不对称的波纹型，杯盖(2)设有内圈(4)和外圈(6)，杯体(1)下部套一杯盒(9)。

2、根据权利要求1所述的波纹式盒状折叠杯，其特征是：杯盖外圈(6)外边缘有一突筋(7)，杯盒(9)内边缘有一扣槽(8)。

波纹式盒状折叠杯

本实用新型涉及一种折叠杯，特别是一种波纹式盒状折叠杯。

现有的茶杯多为固定形状和体积，携带不便。有一种套筒式折叠杯，解决了携带方便的问题，但由于是多节套装，易漏水，且不能携带茶水。

本实用新型的目的是要提供一种体积能大能小、能屈能伸，可以盛水携带使用，不用时又可折叠成盒状的杯子。

为实现上述目的，本实用新型的技术方案是：杯体为坡度不对称的波纹型；杯盖由内圈和外圈组成，内圈设有一密封环；外圈外边沿有一突筋；杯体下部套一杯盒，盒内边缘有一扣槽。

由于采用了以上技术方案，使得本实用新型具有既能盛水携带而不漏水，体积能大能小，不用时又能折叠成盒状，方便、卫生的特点。

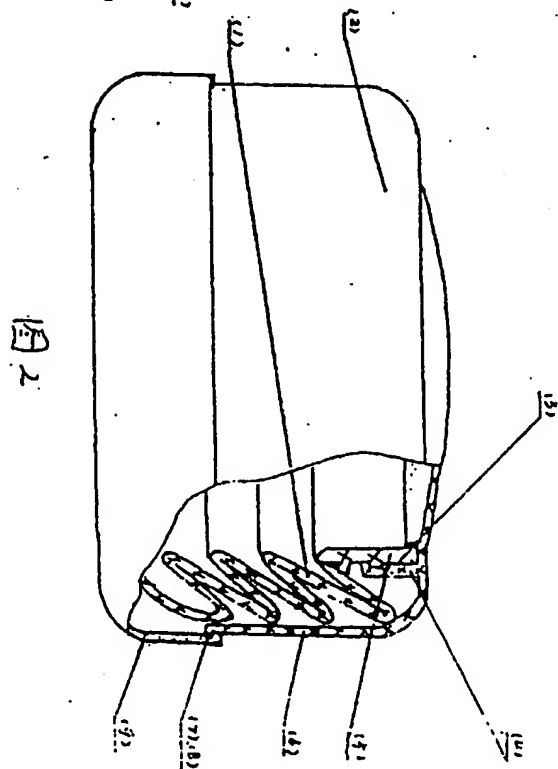
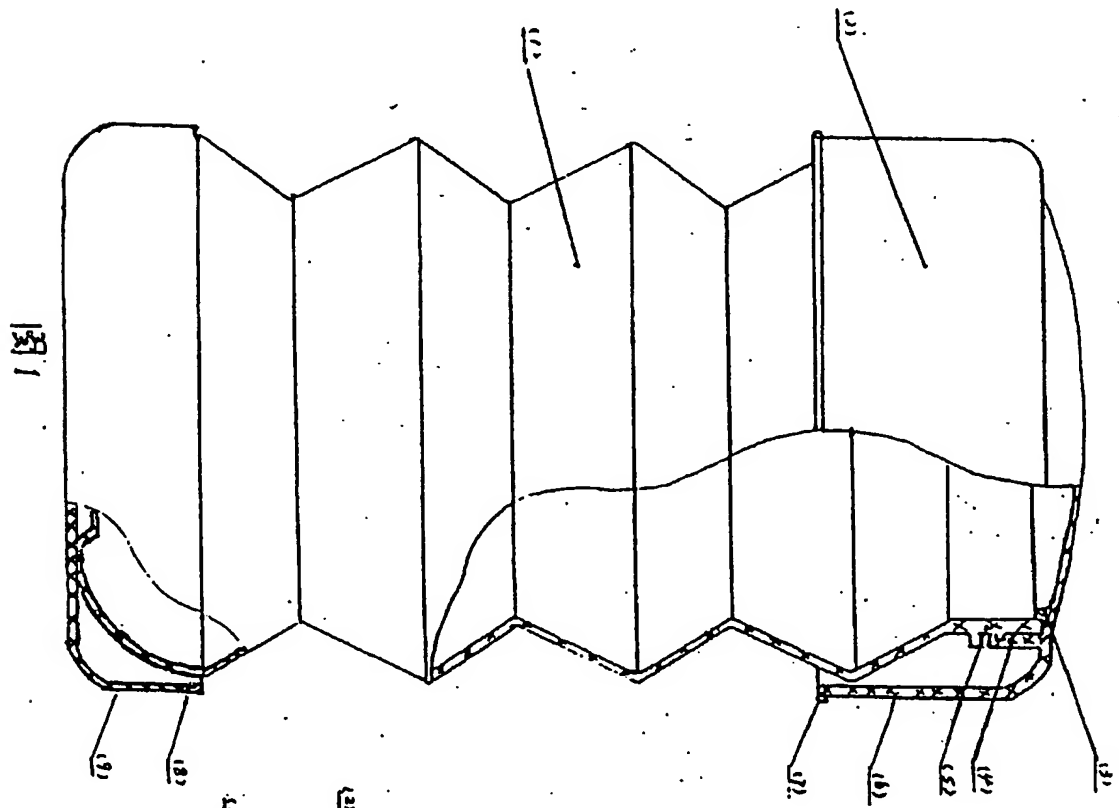
下面结合附图详细说明本实用新型的结构原理与使用方式。

图1是本实用新型打开后的结构图，图2是本实用新型折叠后的形状图。

参照图1，杯体(1)用软质、有弹性、耐折的材料制作成波纹型，其相邻的坡度为不对称式，这样折叠后，杯壁会重叠而不弹起；杯盖(2)的内圈(4)制有螺纹与杯口(5)螺纹配合；杯盖(2)拧紧后，密封环(3)封住杯口(5)可防漏水；杯盖的外圈(6)兼做盒盖；杯体压缩折叠后，参照图2，杯盖外圈(6)上的突筋(7)扣入杯盒(9)的扣槽(8)中，整个杯子就变成一盒状。

打开杯盖(2)将杯体(1)拉伸至所需的高度，即可盛水使用。

说明书附图



**[12] Utility Model Patent Description**

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[73] Patent Rights Holder: ZHANG Chaoyuan

Address: Supply and Marketing Cooperative
Kindergarten Building, Suizhou City,
Hubei Province 441300

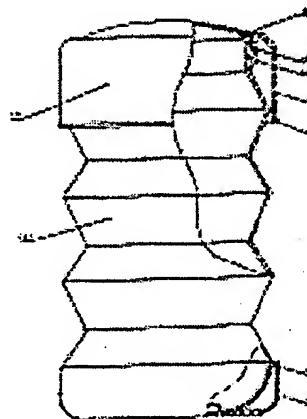
[72] Inventor: ZHANG Chaoyuan

1 Page of Claims, 1 page of Description
and 1 page of Figures

[54] Title of the Invention: Corrugated-style box-shaped foldaway cup

[57] Abstract:

This invention discloses a corrugated-style box-shaped foldaway cup, composed of a corrugated-style cup body (1), a cup lid (2) with inner and outer rings (4) (6), cup box (9) etc., its volume able to be large or small and capable of being bent and extended, can be filled with water and carried during use without leaking water, and can be compressed and folded away and locked into a box shape, having convenience in use, convenience in carrying, hygienic and other characteristics.



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Claims

1. A corrugated-style box-shaped foldaway cup, composed of a cup body, cup lid and cup box, as characterized by: the cup body (1) being a corrugated style with asymmetrical slopes, the cup lid (2) being configured with an inner ring (4) and outer ring (6), the lower part of the cup body (1) slipping into a cup box (9).

2. The corrugated-style box-shaped foldaway cup according to claim 1, characterized in that the outer edge of the cup lid external ring (6) having a protruding rib (7) and the inner edge of the cup box (9) having a locking groove (8).

Description

CORRUGATED-STYLE BOX-SHAPED FOLDAWAY CUP

The present utility model relates to a foldaway cup, in particular a corrugated-style box-shaped foldaway cup.

Most existing teacups are of a fixed shape and volume and inconvenient to carry. Having a telescoping-style foldaway cup solves the problem of convenience in carrying, but because it has a multi-segment package it is prone to leaking water and unable to carry water for tea.

The object of the present invention is to provide a cup whose volume can be large or small, that can be bent and extended, and that can be filled with water and carried for use, and when not being used can be folded away into a box shape.

To achieve the aforementioned object, the technical program of the present utility model is: the cup body is a corrugated style with asymmetrical slopes; the cup lid is composed of an inner ring and outer ring, the inner ring having a sealing ring; the outer ring has a protruding rib along the edge; the lower part of the cup body slips into a cup box, the edges inside the box having a locking groove.

Use of the above technical program enables the present utility model to have the characteristics of being able to be filled with water and carried without spilling water, a volume that can be large or small, and that can be folded away to make a box shape when not being used, convenient and hygienic.

The structural principles and mode of use of the present utility model are explained in detail below in conjunction with the attached drawings.

Figure 1 is a structural diagram of the present utility model after opening, Figure 2 is a shape diagram of the present utility model after being folded away.

Referring to Figure 1, the cup body (1) utilizes a soft, flexible and folding-tolerant material for fabrication into a corrugated style, its adjacent slopes being asymmetrical, and after being folded away in this manner the cup walls overlap and do not spring upward; the inner ring (4) of the cup lid is fabricated with a combination of threads and cup mouth (5) threads; after the cup lid (2) is tightened, the sealing ring (3) seals the cup mouth (5) and can prevent leaks of water; the outer ring (6) of the cup lid also serves as the box lid; after the cup body is compressed and folded away, referring to Figure 2, the protruding ribs (7) on the outer ring (6) of the cup lid lock into the locking groove (8) of the cup box (9), and the entire cup becomes a box shape.

Opening the cup lid (2) will cause the cup body (1) to extend to the required height, and it can be immediately filled with water and used.

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